

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of )  
     Joseph A. Bobier )  
 Serial No.            )  
 Filed: Herewith       )  
 For: "Missing Cycle Based Carrier     )  
       Modulation"       )

JC511 U.S. PTO  
 09/511470  
 02/23/00



COMMISSIONER OF PATENTS AND TRADEMARKS

WASHINGTON, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT**

Sir:

This Information Disclosure Statement is filed in conformity with 37 C.F.R. §§1.56 and 1.97. Accordingly, copies of the art cited herein are provided:

<u>U.S. Pat. No.</u>	<u>Date</u>	<u>Name</u>
5,949,296	09-07-1999	Jacobson
5,864,585	01-26-1999	Erisman
5,612,978	03-18-1997	Blanchard et al.
5,592,131	01-07-1997	Labreche et al.
5,249,201	09-28-1993	Posner et al.
5,193,222	03-09-1993	Sasaki
5,038,051	08-06-1991	Firman et al.
4,411,005	10-18-1983	Leslie
4,266,201	05-05-1981	Belfatto
4,058-769	11-15-1977	Alderman

**REMARKS**

U. S. Patent No. 5,949,296 describes a multi-power supply modular arrangement, the outputs of which are controlled by switching in correspondence with an input signal;

U. S. Patent No. 5,864,585 describes a digital communication system providing for a digital cosine segment demodulation of a sinusoidal carrier;

U. S. Patent No. 5,612,978 describes an adaptive frequency domain filter for short duration non-continuous waves employing fast Fourier transfer elements and the inverse thereof;

U. S. Patent No. 5,592,131 describes a system for modulating a carrier frequency wherein a sequencer produces a plurality of modulation signal portions separated by null modulation signal portions;

U. S. Patent No. 5,249,201 describes a system for transmitting multiple carrier signals to evolve an improved on/off ratio. To subtract off noise, an inverted signal is summed with a carrier;

U. S. Patent No. 5,193,222 describes a dual mode transmitter with two switching elements for electing mode types and interrupting and resuming outputs of a transmitted signal;

U. S. Patent No. 5,038,051 describes a switching modulator for a microwave radar transmitter with two switching devices;

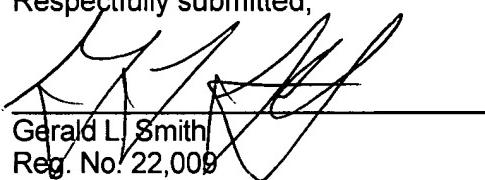
U. S. Patent No. 4,411,005 describes the application of data signals to an operational amplifier;

U. S. Patent No. 4,266,201 describes an improved pulse defining system for a pulse modulator; and

U. S. Patent No. 4,058,769 describes a carrier modulated in conjunction with a carrier power adjustment.

It respectfully is submitted that the foregoing documentation, taken alone or in combination, does not show nor suggest the present invention.

Respectfully submitted,

  
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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231 on February 23, 2000

  
Jane Keeney